

**California Department of Conservation
Farmland Mapping and Monitoring Program**

2002 FIELD REPORT

COUNTY:Glenn

FIELD MAPPER(S): Rain Ananael

PHOTOGRAPHY:

source: NASA-Ames
date: September 28, 2001
scale: 1 :130,000
film type: CIR Transparency
coverage gaps: Far western portion of survey area

SATELLITE DATA:

source: SPOT Image Corp. and Landsat 7 statewide coverage
date: 2000-2002
type: Panchromatic and multi-spectral
coverage gaps: none

WRITTEN OR ORAL INFORMATION SOURCES: *Please list which local governments, interest groups, or individuals submitted comments on the 1998 maps. Also list all phone and in-person contacts made while conducting the 2000 update.*

➤ *local review comments*

cities:
county:
others:

➤ *personal contacts:*

➤ *websites:* www.dfg.ca.gov
www.countyofglenn.net
www.thunderhill.com

➤ GIS data referenced: DWR surveys, USGS 1:100k DRG's, Yolo county digital soil file, and federal and state refuge files.

1998-2000 CHANGES*: *Please summarize the most common changes to the maps. List representative locations (quads) of each type of change encountered. Make sure to list and describe particularly large, unusual or notable changes and give estimates of the acreage involved.*

➤ P, S, U → D

There are 5 changes from irrigated agriculture to urban land. Most of the changes were minor additions to existing urban polygons or boundary adjustments to the urban areas. The Kirkwood quad had a couple changes to urban land and one change of 115 acres representing new low-density homes, urban and boundary adjustments. The Orland and Hamilton City quads each had changes to urban of less than 40 acres each. These changes reflect new urban added to the periphery of existing urban polygons.

➤ L, LP, G, X → D

There were 7 conversions from L, LP, G or X to Urban. There were two changes in the Kirkwood quad representing urban expansion near existing urban areas. There were four changes in the Orland area largely due to upgrading the density of houses and structures to urban. One change of 100 acres occurred in the Willows area due to increased urban density and boundary adjustments.

➤ P, S, U → L, LP, G

There were 2 instances of irrigated agriculture being downgraded to local farmland or grazing land. These were small changes associated with boundary adjustments or changes in agricultural use.

➤ P, S, U → X

There are 40 changes from irrigated agriculture to the Other Land category. Most of them involve agricultural lands converted to wetland and riparian habitats, primarily due to the enhancement of wetland habitat in the southeastern portion of the county. In the Butte City and Princeton quads there were two 1000-acre additions of wetland habitat that have been fallowing for up to 4 update cycles. These conversions are associated with the Upper Butte Basin Wildlife Area. Additional changes include the identification of low-density housing and buildings as well as boundary adjustments. There were several dairy or confined livestock facilities added in the Fruto NE quad.

➤ L, LP, G, X → P, S, U

An unusually large amount of agriculture was added this update. There were 48 changes to irrigated agriculture widely dispersed. Major changes include 700+ acres added in the Butte City quad, 1000+ acres of new trees added to the Foster Island quad, and 3000+ acres of new irrigated agriculture added to the Fruto NE quad. This is a continuation of what was observed in the 1998-2000 update.

➤ **UNUSUAL:** *Category changes, complications with the Farmland of Local Importance definition, or any other special circumstances in 2002.*

G→X, L, LP These changes resulted due to ranchettes or low density housing. There were also a few conversions from grazing to irrigated pasture or dry grain production.

L, LP→X These changes resulted from the fallowing of pasture or dry grains.

Soil/polygon boundary adjustments: This was the second digital update of Glenn County and relatively few boundary adjustments and line corrections were made. However, where there were corrections made, this will account for some unexpected changes in acreage or shifting from one land use to another.

PROBLEM AREAS: *What locations and map categories need careful checking in 2002? Why?*

Irrigated pasture is occasionally difficult to identify, particularly around the urban areas (Orland and Willows). Identification of irrigated pasture and non-irrigated grain was difficult during the ground-truthing because it was done in spring. This is an area that will have to be focused on during the next update and care should be taken to field check during summer or early fall, so that irrigated pasture, dry grain and field crops can be readily distinguished.

OUT OF DATE BASE MAPS: *Please list any base maps used for update or publication of this county which are woefully out of date due to extensive new development, road construction, etc.*

LABOR ESTIMATE: *Please estimate the amount of time spent on the following tasks.*

photo interpretation, start date: March 1, 2004

photo interpretation, number of days: 20

ground truthing dates: April 5-6

days for map compilation and clean up: 4

* **Note:** P = Prime Farmland; S = Farmland of Statewide Importance; U = Unique Farmland; L = Farmland of Local Importance; G = Grazing Land; D = Urban and Built-up Land; X = Other Land; W = Water Areas; I = Irrigated Farmland; N = Nonirrigated Farmland

Further information on the Farmland Mapping and Monitoring Program can be found at:

www.consrv.ca.gov/dlrp/fmmp